GOVERNMENT OF INDIA
COMMUNICATIONS AND INFORMATION TECHNOLOGY
LOK SABHA

UNSTARRED QUESTION NO:6497
ANSWERED ON:07.05.2003
FEATURES OF SUPER COMPUTER PARAM PADMA
PUTTASWAMY GOWDA

Will the Minister of COMMUNICATIONS AND INFORMATION TECHNOLOGY be pleased to state:

:-

(a) whether he has recently inaugurated the Bangalore-based Terascale Super Computing facility of the Centre for Development of Advanced Computing (C-DAC) and dedicated to the nation most powerful `desi` Super Computer the teraflop `Param Padma`;

(b) if so, the details thereof alongwith the salient features of the super computer param padma; and

(c) the names of all countries which posses TERAFLOP?

Answer

MINISTER OF STATE FOR COMMUNICATIONS AND INFORMATION TECHNOLOGY(SU THIRUNAVUKKARASAR)

(a): Yes, Sir.

(b): The salient features of PARAM Padma are:

- A peak computing power of one Teraflop (trillion floating power operations per second)

- System Area Network PARAMNet II with data rates of 2.5 Gigabits/second as primary network with Gigabit Ethernet as backup.

- Software programming environment consisting of C-DACMessage Passing Interface (MPI), Parallel File System and Parallel Compilers.

- Primary Storage of 5 TeraBytes with a secondary storage of 12 TeraBytes.

(c): Information about such capabilities are not generally announced. The countries that possess technology of teraflops Supercomputers include USA and Japan who may have supplied such equipment to many countries. Countries in Europe (such as UK, Germany, Norway), China, Israel are also known to possess such capability.